effective and suitable systems are delivered to the Warfighter. Serves as the Operational Test Agent (OTA) for the DMS program.

Network Integration Testbed (NIT): Provides interoperability testing with emphasis on extending networking capabilities to the tactical forces of DoD. Includes conformance, performance, and proof of concept testing of networks.

Distributed Network Control Center (DNCC): Interfaces with the four testbeds, COMSEC vault and the secure area, all of which are on-site. Enables interfacing with off-site industrial labs, other military and government testbeds, and military units anywhere in the world.

Defense Message System and Service Messaging Test Facility: A broad spectrum of testing is conducted by JITC facilities at Indian Head, MD on messaging and information systems products.

Strategic Switching Laboratory (SSL): Tests and certifies all new systems and upgrades to existing systems that support the Defense Switched Network, and the Defense Red Switch Network.
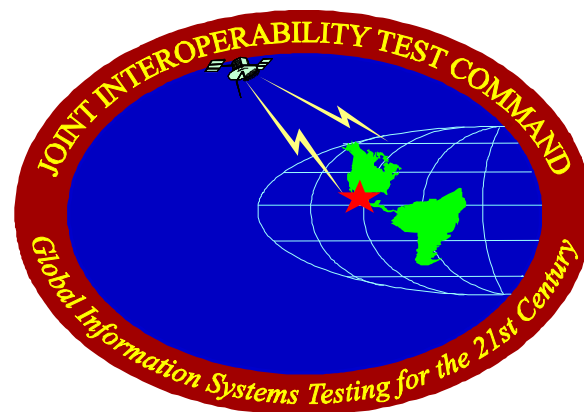
Network Engineering Integration Lab (NEIL): Provides conformance, interoperability, and performance testing of Asynchronous Transfer Mode (ATM), video teleconferencing (VTC), edge devices, and transmission systems. Provides technical advice and assistance to operational command.

Information Assurance (IA) T&E Lab: Provides a variety of IA Test and Evaluation services including: vulnerability assessments, penetration testing, government and commercial product testing, and security tool assessments. Also provides a controlled DII-replica environment for high risk tests.

Theater Air and Missile Defense (TAMD) Lab: Provides the TAMD community with a wide range of test event planning, near real rime analysis, and post-test analysis capabilities. Supports scheduled testing, field exercises, simulation exercises, and hardware-in-the-loop exercises.

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GENERAL INFORMATION

Joint Interoperability Test Command

Joint Interoperability Test Command
ATTN: Visitor Support Center
Building 57305
Fort Huachuca, AZ 85613-7020

1-800-LET-JITC
http://jitc.fhu.disa.mil

Support for the Warfighter....Anytime....Anyplace

BACKGROUND INFORMATION

The Joint Interoperability Test Command (JITC) is the Department of Defense's (DoD) facility for evaluating the interoperability of information, communication and intelligence systems. It also conducts a wide range of developmental, operational and standards conformance tests for DoD, private industry, and several federal agencies.

The JITC is the place for "one-stop systems testing" with its one-of-a-kind array of hardware, software and staffing, along with its state-of-the-art technological flexibility. The command can interface all its on-site capabilities and network with any other testing or operational facility worldwide. The JITC is located at Fort Huachuca, AZ, about an hour and a half drive southeast of Tucson and at Indian Head, Maryland.

JITC ORGANIZATION

The JITC consists of the Commander's Office and seven Divisions: Warfighter Support; Operational Test and Evaluation; Automated Systems and Test Support; Networks, Transmission and Integration; Messaging and Information Systems; and Command, Control & Combat Support Systems; Resource Management and NCR Liaison Office. General information inquiries and other contacts are handled by the Executive Officer and the Visitor Support Center.

JITC SERVICES

The JITC conducts Command, Control, Communications, Computers and Intelligence (C^{4}I) testing of information, communication, and intelligence hardware and software systems or elements. Its customers include private industry, federal agencies, CINCs, US and allied military Services and the Defense Information Systems Agency (DISA). Its vast array of services include:

- Performing independent technical and operational testing such as:

  - **Standards conformance testing**-Determines if a system or element meets the requirements of standards such as MIL, FIPS, STANAG, or ISO.

  - **Performance testing** - Determines if a system or element satisfies the performance requirements of the user.

  - **System effectiveness** - Determines how well a system or element meets the functional requirements of the using organization.

  - **Operational testing or assessment** - Determines if a system is or has the potential to be operationally effective and/or suitable.

- Writing test plans, executing tests and publishing test reports for all of the above.
- Serving as a development partner through a project's lifecycle.
- Providing "in the field" support for worldwide CINCs, the military Services and federal agencies. This includes evaluating simulation or training exercises, troubleshooting operational systems and performing other on-site activities.
- Supporting in-plant or other remote site developmental or operational tests, concept evaluations and demonstration tests.
- Publishing the *Testing Times* and *Lessons Learned Report* to inform users of the latest developments in systems hardware and software and new techniques for interfacing and maximizing information, communication and intelligence systems.
- Providing the Joint Interoperability Tool (JIT) on the SIPRNET at http://199.208.204.125/jitc.htm and NIPRNET at http://jit.fhu.disa.mil with the latest interoperability information.

JITC STAFF

JITC employs approximately 270 military and Department of Defense employees with an average of 5 - 7 years of higher education and 5 - 10 years of technical experience.

A flexible, tailored resource of civilian contractor personnel averaging more than 5 - 10 years of related experience and 7 - 12 years of higher education. More than 425 of these specialists are on board at this time.

JITC FACILITIES

Joint Test Facility (JTF): Tests data, message, and circuit switching systems and equipment ranging from tactical, squad level systems, to strategic, headquarters level systems. Tests every kind of transmission system including tactical line-of-sight; combat net radios; high frequency, microwave and tropospheric scatter systems; fiber optic cable; commercial telephone lines; and satellite links. Uses traffic and message loading devices to simulate high volume conditions.

Joint Tactical Data Link (JTDL) Laboratory: Tests C^2 software such as Tactical Digital Information Link (TADIL), U.S. Message Text Formatting (USMTF) and intelligence systems. Networking capabilities and use of deployable test equipment and personnel teams permit off-site testing.

National Imagery Transmission Format Standard (NITFS) Testing Services: Tests and certifies that digital imagery products meet the NITF standard for formatting and exchange.

Global Command and Control System (GCCS) Laboratory: Provides GCCS application functional testing, Common Operational Picture (COP) interoperability testing, DII COE certification to Level 7, and Operational Testing and Evaluation (OT&E) of GCCS components.

Electronic Business/Electronic Commerce (EB/EC) Services: Provides performance, engineering, compliance, system, and Web-based application testing for government and commerical Electronic Commerce applications and products.

Secure Management Infrasturcture (SMI) Test Area: Tests, assesses and evaluates Information Assurance (IA) products, services, and systems for interoperability. The SMI test area currently has a fully operational National Security Agency (NSA) sponsored Electronic Key Management System (EKMS) test laboratory which supports a wide range of customers including NSA, DOD/Civil agencies, Allies and the Military Services. The SMI test area also has an operational Class 3 (Medium Assurance) Defense Information System Agency (DISA) DOD Public Key Infrasturcture (PKI) test laboratory that tests and assesses for interoperability PKI functions, applications and services.

Defense Message System (DMS) Test Lab: Conducts independent developmental and operational testing and assessment for the DMS program to ensure operationally